# UNITED STATES PATENT AND TRADEMARK OFFICE

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|---|---|---|---|
| 10/766,408 | 01/27/2004 | Wilfred Weidmark | APP 1492 | 4162 |

9941        7590        05/07/2007
TELCORDIA TECHNOLOGIES, INC.
ONE TELCORDIA DRIVE 5G116
PISCATAWAY, NJ 08854-4157

| EXAMINER |
|---|
| NGUYEN, KHAI N |

| ART UNIT | PAPER NUMBER |
|---|---|
| 2609 | |

| MAIL DATE | DELIVERY MODE |
|---|---|
| 05/07/2007 | PAPER |

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

PTOL-90A (Rev. 04/07)

| | Application No. | Applicant(s) |
|---|---|---|
| **Office Action Summary** | 10/766,408 | WEIDMARK ET AL. |
| | Examiner | Art Unit | |
| | Khai N. Nguyen | 2609 | |

*-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --*

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

1) ☒ Responsive to communication(s) filed on <u>*27 January 2004*</u>.
2a) ☐ This action is **FINAL**.     2b) ☒ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

4) ☒ Claim(s) *1-10* is/are pending in the application.
    4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5) ☐ Claim(s) _____ is/are allowed.
6) ☒ Claim(s) *1-10* is/are rejected.
7) ☒ Claim(s) *7* is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

## Application Papers

9) ☐ The specification is objected to by the Examiner.
10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
    a) ☐ All   b) ☐ Some * c) ☐ None of:
      1. ☐ Certified copies of the priority documents have been received.
      2. ☐ Certified copies of the priority documents have been received in Application No. _____.
      3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
    * See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**
1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date <u>*N/A*</u>.
4) ☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____ .

## DETAILED ACTION

### *Claim Objections*

1.    Claim 7 is objected to because of the following informalities:  the word

"provideoperator" should be replaced with the two words "provide operator".

Appropriate correction is required.

### *Claim Rejections - 35 USC § 102*

2.    The following is a quotation of the appropriate paragraphs of 35

U.S.C. 102 that form the basis for the rejections under this section made in this

Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3.    Claim 1-10 is rejected under 35 U.S.C. 102(b) as being anticipated by

Meek et al. (U.S. Patent No. 6,327,357).

Regarding claim 1, Meek et al. teach methods and systems to provide

telecommunication services (access service, directory assistance service, etc.) to

a plurality of telephone lines (subscribers) connected to a telecommunication

network through an end office (or tandem switch) having a service switching

point (SSP) capabilities each interacting with directory assistance switch

associated there with comprising the steps of (column 2, lines 48-54 – see Fig. 2,

3, 4 and 5):

receiving a request by a subscriber unit associated with the telephone line

at a local or tandem switch (column 6, lines 4-5 - see Fig. 5);

routing a request to the service control point (column 6, lines 12-14 - see

Fig. 5);

connecting a request to the directory assistance switch (column 6, line

10);

sending the response message from the SCP to the directory assistance

(column 6, lines 25-26);

soliciting through the directory assistance information regarding a request

(column 6, lines 13-18);

forwarding the directory assistance query message (column 6, lines 14-

16);

querying the directory assistance database (column 8, lines 25-27);

forwarding the request number to the subscriber (column 7, lines 23-25).

Regarding claim 2, Meek et al. teach a step of determining service

parameters (column 7, lines 34-45), and a step of querying an external database

(column 8, lines 13-30 - see Fig. 7A).

Regarding claim 3, Meeks et al. teach the call is completely routed to an

end office (column 6, lines 30-32).

Regarding claim 4, Meeks et al. teach the steps of: releasing the request, terminating the announcement, and completely routed to the end office (column 6, lines 19-35).

Regarding claim 5 and 6, Meeks et al. teach the steps of generating operator services automated message accounting records (*the use of AMAslpID passed from the SCP to the SSP* – column 10, lines 45-49) and the billing logic (column 10, lines 45-67 and column 11, lines 1-63).

Regarding claim 7, Meeks et al. teach the steps wherein the directory assistance node includes an operator services switch (column 2, lines 41-47 – *wherein Meeks discussed the call control and switching solution for routing operator and directory assistance calls and call billing of the TOPS switch (Traffic Operator Position System)*);

routing calls to local operator service switch (column 2, lines 50-55);

and a step of determining the call is considered as requiring operator assistance (column 9, lines 33-39 – see Fig. 7B).

Regarding claim 8, Meeks at al. teach the method comprising the steps of: releasing the request from the operator services switch (column 5, lines 2-4 – see Fig. 3);

forwarding the call to the end office (column 5, 27-29 – see Fig. 3);

sending analyze route message and automated message accounting to

AIN SSP (column 5 lines 15-34 – see Fig.3).

Regarding claim 9, Meeks et al. teach a system comprising: a means for

sending a query associated with a subscriber request to a service control point

(column 6, lines 63-65);

a means for receiving subscriber information at a directory assistance

node (column 7, lines 1-3);

a means for forwarding the directory assistance query from the directory

assistance node (column 7, lines 3-4);

a means for servicing a subscriber request at the directory assistance

(column 7, lines 5-6).

Regarding claim 10, Meek et al. teach methods and systems to provide

telecommunication services (access service, directory assistance service, etc.) to

a plurality of telephone lines (subscribers) connected to a telecommunication

network through an operator service switch (*at the time of this invention those*

*skilled in the art will understand that the operator service switch (OSS) generally*

*includes at least two functions: a switching function and a processing function. In*

*Meek et al. the OSS comprises an access tandem switch and a traffic/toll*

*operator position system (TOPS) manufactured by Northern Telecom, an*

*alternative to TOPS is the operator service position system (OSPS)*

*manufactured by Lucent*) having a directory assistance switch associated there

with comprising the steps of (column 4, lines 65-67, column 5, lines 1-4 – see

Fig. 3):

receiving a request by a subscriber unit associated with the telephone line at

a local or tandem switch (column 5, lines 1 - see Fig. 3);

routing a request to an operator services switch (column 5, lines 1-4 – see

Fig. 3);

trigger directory assistance service at the service control point (SCP) in

communication with the operator service switch (column 5, lines 9-10);

connecting a request to the directory assistance switch (column 5, lines 1-4);

sending the response message from the SCP to the directory assistance

(column 5, lines 23-24);

soliciting through the directory assistance information regarding a request

(column 5, lines 8-13);

forwarding the directory assistance query message (column 5, lines 10-12);

querying the directory assistance database (column 8, lines 25-27);

forwarding the request number to the subscriber (column 7, lines 23-25).


### Conclusion


4.      The prior art made of record and not relied upon is considered pertinent to

applicant's disclosure.

Desai et al. (U.S. Patent 5,940,493) teach providing directory assistance

service and information in a multiple service provider environment.

Weisser (U.S. Patent 5,430,719) teaches mediating AIN message traffic in an open AIN environment.

Zhang et al. (U.S. Patent 6,505,163) teach automatic speech recognition to a telecommunication user in a network provides telecommunication service.

Lund (U.S. Patent 5,946,684) teaches a method for providing the calling-party-customized information automatically via telecommunication network.

Bolduc et al. (U.S. Patent 6,404,877) teach an automated toll-free telecommunication services.

Enzmann et al. (U.S. Patent 6,320,946) teach a telecommunication device that stores information and audibly playback to a user.

McGrath et al. (U.S. Patent 6,628,772) teach a method for providing directory assistance services for subscribers of wireless telephone services.

Case et al. (U.S. Patent 6,907,119) teach automated speech recognition to be used in automated business directory assistance services.

Sweeney et al. (US Pub 2004/0022382) teach a method to obtain subscriber identification information.

Farris (U.S. 6,546,003) teaches the use of wide area network such as the Internet in a telecommunication network to provide telephone services.

Contractor (U.S. 7,099,677) teaches a method to delivery a call to a wireless called party in a telecommunication network.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Khai N. Nguyen whose telephone number is (571) 270-3141. The examiner can normally be reached on Monday - Thursday 6:30AM - 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Alexander Eisen can be reached on (571) 272-7687. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Alexander Eisen
SPE
Art Unit 2609

KNN
4/25/2007